



Nucleotide

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Boo

Search for

Go

Clear

Limits

[Preview/Index](#)

History

Clipboard

Details

Display

default

Show: 20

Send to

File

□ 1: BM845132. K-EST0123375 S12S...[gi:19201531]

Links

IDENTIFIERS

dbEST Id: 11445196
EST name: K-EST0123375
GenBank Acc: BM845132
GenBank gi: 19201531

CLONE INFO

Clone Id: S12SNU216-95-F02 (5')
Plate: 95 Row: F Column: 02
DNA type: cDNA

PRIMERS

PolyA Tail: Unknown

SEQUENCE

ACTCTGCTGCCGGCTTCTCGGAGCGGCCTGGGCGACCAGAGCAGGGTCGAGATGTCCTA
CATCCCGGGCCAGCCGGTCACCGCCGTGGTGCAAAGAGTTGAAATTCACAAGCTGCGTCA
AGGTGAGAACTTAATCTCTGGGTTTCAGCATTGGAGGTGGAATCGACCAGGACCCCTCCCA
GAATCCCTTCTCTGAAGACAAGACGGACAAGGGTATTTATGTACACGGGTGTCTGAAGG
AGGCCCTGCTGAAATCGCTGGGCTGCAGATTGGAGACAAGATCATGCAGGTGAACGGCTG
GGACATGACCATGGTCACACACGACCAGGCCCGCAAGCGGCTCACCAAGCGCTCGGAGGA
GGTGGTGCGTCTGCTGGTGACGCGGCAGTCGCTGCAGAAAGCCGTGCAGCAGTCCATGCT
GTCCTAGCAGCCACCACCATCTGCGACTCCTGCCTGCCGCCCTCTCTGTACAGTAACGCCA
CTTCCACACTCTGTCCCCATCTGGCTTCTGCTGACCGCTGGGCCCCAGCTC

Quality: High quality sequence stops at base: 531

Entry Created: Mar 6 2002

Last Updated: Mar 6 2002

LIBRARY

Lib Name:	S12SNU216
Organism:	<u>Homo sapiens</u>
Sex:	F
Organ:	Stomach
Tissue type:	Lymph node
Cell type:	Epithelial
Cell line:	SNU-216
Lab host:	Top10F'
Vector:	pCNS
R. Site 1:	EcoRI
R. Site 2:	NotI
Description:	The poly (A)

The poly (A)+ RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped with tobacco acid pyrophosphatase (TAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoR I site by treatment of T4 RNA ligase and the first strand cDNA was

synthesized from oligo dT-selected mRNA by priming with dT-tailed vector. The dT-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama-Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10F' by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library.

SUBMITTER

Name: Kim YS
Lab: Genome Research Center
Institution: Korea Research Institute of Bioscience & Biotechnology
Address: 52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
Tel: +82-42-860-4470
Fax: +82-42-860-4409
E-mail: yongsung@mail.kribb.re.kr

CITATIONS

Title: 21C Frontier Korean EST Project 2001
Authors: Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y.,
Kim,M.R., Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park
,H.S., Kim,S., Kim,Y.S.
Year: 2002
Status: Unpublished

MAP DATA

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

May 1 2003 16:27:42



CGCTCAGGAT...GACTTCGGGCTAG...ATCCGATCCCCGG...ATTATATACCTCGATCGATCG
TTCTTTATAT...TGGG...ATATATACACACAC...CCCGGATAGCATCAGTCATCT
CCCCA...TCTTGGGATAAGTC...TATAT...CTT
CAGACAT...ACGG...TTCAC...CTTACTAACC...TTCGAGAGGCGGCGCA...CGGCGGAG

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Bio

Search for

Limits

Preview/Index

History

Clipboard

Details

default

Show: 20

File

☐ 1: CB131761. K-EST0181865 C1SN...[gi:28096580]

Links

IDENTIFIERS

dbEST Id: 16815743
EST name: K-EST0181865
GenBank Acc: CB131761
GenBank gi: 28096580

CLONE INFO

Clone Id: C1SNU17s1-1-H12 (5')
Plate: 1 Row: H Column: 12
DNA type: cDNA

PRIMERS

PolyA Tail: Unknown

SEQUENCE

ACTCTGCTGCCGGCTTCTCGGAGCGGCGCTGGGCGACCAGAGCAGGGTCGAGATGTCCTA
CATCCCGGGCCAGCCGGTCACCGCCGTGGTGCAAAGAGTTGAAATTCACAAGCTGCGTCA
AGGTGAGAACTTAATCCTGGGTTTCAGCATTGGAGGTGGAATCGACCAGGACCCCTTCCCA
GAATCCCTTCTCTGAAGACAAGACGGACAAGGGTATTTATGTACACGGGTGTCTGAAGG
AGGCCCTGCTGAAATCGCTGGGCTGCAGATTGGAGACAAGATCATGCAGGTGAACGGCTG
GGACATGACCATGGTCACACACGACCAGGCCCGCAAGCGGCTCACCAAGCGCTCGGAGGA
GGTGGTGCGTCTGCTGGTGACGCGGCAGTCGCTGCAGAAGGCCGTGCAGCAGTCCATGCT
GTCCTAGCAGCCACCACCATCTGCGACTCCTGCCTGCCGCTCTCTGTACAGTAACGCCA
CTTCCACACTCTGTCCCCATCTGGCTTCTGCTGACCGCTGGGCCCCAGCTCAG

Quality: High quality sequence stops at base: 533

Entry Created: Jan 29 2003

Last Updated: Jan 29 2003

LIBRARY

Lib Name: C1SNU17s1
Organism: Homo sapiens
Sex: F
Organ: Cervix
Tissue type: Uterine
Cell type: Epithelial
Cell line: SNU-17
Lab host: Top10F'
Vector: pCNS-D2
R. Site 1: EcoRI
R. Site 2: NotI
Description:

The poly (A)+ RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped with tobacco acid pyrophosphatase (TAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoRI site by treatment of T4 RNA ligase and the first strand cDNA was

synthesized from oligo dT-selected mRNA by priming with dT-tailed vector. The dT-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama-Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10F' by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library. After analyzing and sequencing about 2,000 - 3,000 colonies in original cDNA library, the abundant cDNAs were selected and amplified by PCR reaction using vector region primer including T7 promotor as 5' primer and N(dT)14 as 3' primer. The PCR products were used as template for synthesis of biotinylated single stranded RNA by in vitro transcription reaction. The synthesized RNA probes were hybridized with antisense single stranded cDNAs prepared from original library and incubated with avidin-gel. After removing DNA-RNA hybrids by centrifuge, the subtracted cDNA libraries were constructed by transformation of the remaining DNA into competent cells E. coli Top10F' with electroporation method.

SUBMITTER

Name: Kim YS
Lab: Genome Research Center
Institution: Korea Research Institute of Bioscience & Biotechnology
Address: 52 Eoeun-dong Yuseong-gu, Daejeon 305-333, South Korea
Tel: +82-42-860-4470
Fax: +82-42-860-4409
E-mail: yongsung@mail.kribb.re.kr

CITATIONS

Title: 21C Frontier Korean EST Project 2001
Authors: Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y.,
Kim,M.R., Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park
,H.S., Kim,S., Kim,Y.S.
Year: 2002
Status: Unpublished

MAP DATA

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

May 1 2003 16:27:42



Nucleotide

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Boo

Search Nucleotide  for

Go

Clear

Limits

[Preview/Index](#)

History

Clipboard

Details

Display

default

Show: 20

Send to

File

☐ 1: CB961389. AGENCOURT 1388842...[gi:30217506]

Links

IDENTIFIERS

dbEST Id: 17749957
EST name: AGENCOURT_13888422
GenBank Acc: CB961389
GenBank gi: 30217506

CLONE INFO

Clone Id: IMAGE:30348363 (5')
Plate: NDAM390 Row: p Column: 04
DNA type: cDNA

PRIMERS

PolyA Tail: Unknown

SEQUENCE

TCTAGCGAGGTGACAGCGTAGAACAGACTCTGCTGCCGGCTTCTCGGAGCGGCGCTGGG
CGACCAGAGCAGGGTCGAGATGTCTACATCCCGGGCCAGCCGGTCACCGCCGTGGTGCA
AAGAGTTGAAATTCACAAGCTGCGTCAAGGTGAGAACTTAATCCTGGGTTTCAGCATTGG
AGGTGGAATCGACCAGGACCCTTCCAGAATCCCTTCTCTGAAGACAAGACGGACAAGGG
TATTTATGTACACGGGTGTCTGAAGGAGGCCCTGCTGAAATCGCTGGGCTGCAGATTGG
AGACAAGATCATGCAGGTGAACGGCTGGGACATGACCATGGTCACACACGACCAGGCCCG
CAAGCGGCTCACCAAGCGCTCGGAGGAGGTGGTGCCTCTGCTGGTGACGCGGCAGTCGCT
GCAGAAGGCCGTGCAGCAGTCCATGCTGTCTCTAGCAGCCACCACCATCTGCGACTCCTGC
CTGCCGCCTCTCTGTACAGTAACGCCACTTCCACACTCTGTCCCCATCTGGCTTCTGCTG
ACCGCTGGGCCCCAGCTCAAGGGGGCTTTAAGCTTGGGTCCACNAGGCTTGACCCAGCCC
TTCCCTCCCCCCTCCCCCACCTTGGCCTGGGGGCCCTCCTTGGGACATGACGATTCTCTT
TCGCGGGCCCACTCTGCGTCTTGGGCCCATATCTGTGCGCGGGCCTTCAACACCATGAAA
CCATAGCAGCCGCACGCGTACACACAACCGTTTACTGTCTCTACTACATGAGTATTGTGG
GTCCGTGGTTACAGAGAGGATATCAGGGACAACATAATGTGGTATACCTTACCCATAATATT
TA

Quality: High quality sequence stops at base: 567

Entry Created: Apr 28 2003

Last Updated: Apr 29 2003

COMMENTS

Tissue Procurement: Dr. Stefan Hansson
cDNA Library Preparation: Michael J. Brownstein (NHGRI) with
help and advice from Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
be found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>

LIBRARY

Lib Name: NIH_MGC_148
Organism: Homo sapiens
Organ: placenta
Tissue type: pre-eclamptic placenta
Lab host: DH10B TonA
Vector: pBluescriptR
R. Site 1: all-XhoI
R. Site 2: BamH
Description: Library is oligo-dT primed and directionally cloned using primer 5'-TTTTTTTTTTTTTTTTTVN-3', size-selected for average insert size 2.3 kb and normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

CITATIONS

Title: National Institutes of Health, Mammalian Gene Collection (MGC)
Authors: NIH-MGC <http://mgc.nci.nih.gov/>
Year: 1999
Status: Unpublished

MAP DATA

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

May 1 2003 16:27:42



CGCTCAGGATTCGACTTCGCGCTAGAGATCGGATCCCGGCTTATTATATAGCTCGATCGATC
TTCTCTATATTCGCGCTAGAGATCGGATCCCGGCTTATTATATAGCTCGATCGATC
CGCTCAGGATTCGACTTCGCGCTAGAGATCGGATCCCGGCTTATTATATAGCTCGATCGATC
CGCTCAGGATTCGACTTCGCGCTAGAGATCGGATCCCGGCTTATTATATAGCTCGATCGATC

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Books

Search for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

Display

default

Show: 20

Send to

File

☐ 1: CB995033. AGENCOURT_1362748...[gi:30289553]

Links

IDENTIFIERS

dbEST Id: 17779074
EST name: AGENCOURT_13627489
GenBank Acc: CB995033
GenBank gi: 30289553

CLONE INFO

Clone Id: IMAGE:30338150 (5')
Plate: NDAM364 Row: f Column: 15
DNA type: cDNA

PRIMERS

PolyA Tail: Unknown

SEQUENCE

TCTAGCGAGGTGACAGCGTAGAACCAGACTCTGCTGCCGGCTTCTCGGAGCGGCGCTGGG
CGACCAGAGCAGGGTCGAGATGTCTACATCCCGGGCCAGCCGGTCACCGCCGTGGTGCA
AAGAGTTGAAATTCACAAGCTGCGTCAAGGTGAGAACTTAATCCTGGGTTTCAGCATTGG
AGGTGGAATCGACCAGGACCCCTCCAGAAATCCCTTCTCTGAAGACAAGACGGACAAGGG
TATTTATGTACACGGGTGTCTGAAGGAGGCCCTGCTGAAATCGCTGGGCTGCAGATTGG
AGACAAGATCATGCAGGTGAACGGCTGGGACATGACCATGGTCACACACGACAGGCCCG
CAAGCGGCTCACCAAGCGCTCGGAGGAGGTGGTGGCTGCTGGTGACGCGGCAGTCGCT
GCAGAAGGCCGTGCAGCAGTCCATGCTGCTTAGCAGCCACCACCATCTGCGACTCCTGC
CTGCCGCCTCTCTGTACAGTAACGCCACTTCCACACTCTGTCCCCATCTGGCTTCTGCTG
ACCGCTGGGCCCCAGCTCAAAGGGGCTATAGCTGGN

Quality: High quality sequence stops at base: 567

Entry Created: Apr 30 2003

Last Updated: May 1 2003

COMMENTS

Tissue Procurement: Dr. Stefan Hansson
cDNA Library Preparation: Michael J. Brownstein (NHGRI) with
help and advice from Piero Carninci (RIKEN)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
be found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>

LIBRARY

Lib Name: NIH_MGC_148
Organism: Homo sapiens
Organ: placenta
Tissue type: pre-eclamptic placenta
Lab host: DH10B Tona

Vector: pBluescriptR
R. Site 1: all-XhoI
• R. Site 2: BamH
Description: Library is oligo-dT primed and directionally cloned using primer 5'-TTTTTTTTTTTTTTTTVN-3', size-selected for average insert size 2.3 kb and normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library.

SUBMITTER

Name: Robert Strausberg, Ph.D.
E-mail: cgapbs-r@mail.nih.gov

CITATIONS

Title: National Institutes of Health, Mammalian Gene Collection (MGC)
Authors: NIH-MGC <http://mgc.nci.nih.gov/>
Year: 1999
Status: Unpublished

MAP DATA

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

May 1 2003 16:27:42